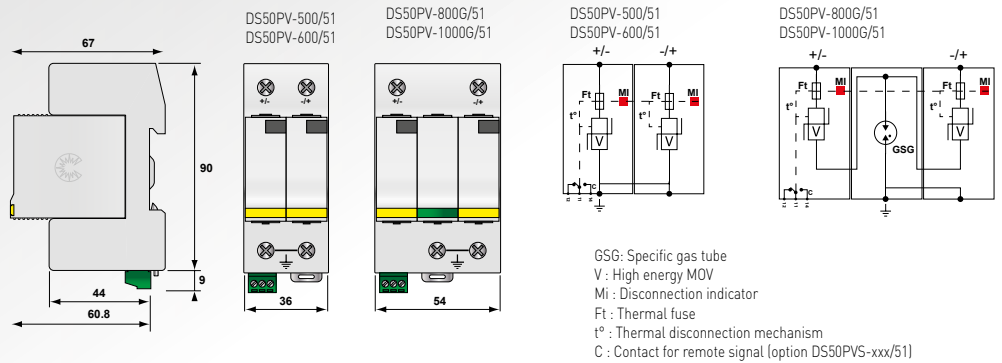


# Type 2 PV Surge Protector DS50PV/51 series

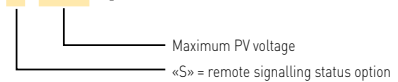


DS50PV-800G/51



- Type 2 Surge Protector for Photovoltaic
- In : 15 kA
- I<sub>max</sub> : 40 kA
- Pluggable module
- Remote Signaling (option)
- EN 50539-11 compliance
- VDE and OVE approved

## DS50PVS-xxxG/51



## Characteristics

CITEL Model	DS50PV-500/51	DS50PV-600/51	DS50PV-800G/51	DS50PV-1000G/51
Description	Type 2 PV surge protector - 500 Vdc	Type 2 PV surge protector - 600 Vdc	Type 2 PV surge protector - 800 Vdc	Type 2 PV surge protector - 1000 Vdc
Network	Uocstc PV network 500 Vdc	PV network 600 Vdc	PV network 800 Vdc	PV network 1000 Vdc
Connection mode	+/-/PE	+/-/PE	+/-/PE	+/-/PE
Protection mode(s)	CM	CM	CM/DM	CM/DM
Max. PV operating voltage	Ucpv 600 Vdc	720 Vdc	960 Vdc	1200 Vdc
Current withstand short circuit PV	Iscpv 15000 A	15000 A	15000 A	15000 A
Permanente operating current - Leakage current at Ucpv	Icpv < 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA
Residual current - Leakage current at Ucpv	Ipe < 0.1 mA	< 0.1 mA	None	None
Nominal discharge current - 15 x 8/20 μs impulses	In 15 kA	15 kA	15 kA	15 kA
Max. discharge current - max. withstand @ 8/20 μs by pole	I <sub>max</sub> 40 kA	40 kA	40 kA	40 kA
Total Maximal discharge current - max. total withstand @ 8/20 μs	I <sub>total</sub> 60 kA	60 kA	60 kA	60 kA
Protection level CM/DM @In (8/20μs) and @ 6kV (1.2/50μs)	Up 2.2 kV	2.8 kV	2 / 3.6 kV	2.6 / 4.6 kV
<b>Associated disconnectors</b>				
Thermal disconnector	internal			
Fuses	without			
<b>Mechanical characteristics</b>				
Dimensions	see diagram			
Connection to Network	Screw terminals: 2.5-25mm <sup>2</sup>			
Disconnection indicator	2 mechanical indicators			
Remote signaling of disconnection	Option DS50PVS-500/51 - output on changeover contact	Option DS50PVS-600/51 - output on changeover contact	Option DS50PVS-800G/51 - output on changeover contact	Option DS50PVS-1000G/51 - output on changeover contact
Mounting	Symmetrical rail 35 mm (EN60715)			
Operating temperature	-40/+85°C			
Protection rating	IP20			
Housing material	Thermoplastic UL94-V0			
Standards compliance	EN50539-11			
Certification	EAC	EAC	EAC	VDE / OVE / EAC
<b>Part number</b>	480121	480421	480281	480381

\* ) CM = Common mode (+/PE or -/PE) - DM = Differential mode (+/-)

